

PATENT ABSTRACTS OF JAPAN

(11)Publication number:

11-121820

(43) Date of publication of application: 30.04.1999

(51)Int.CI.

H01L 41/083

H01L 41/187 H02N 2/00

(21)Application number: 09-277434

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(22)Date of filing:

09.10.1997

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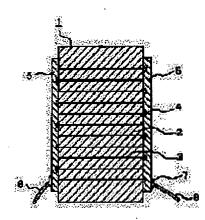
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(54) LAMINATED PIEZOELECTRIC ACTUATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a laminated piezoelectric actuator having response consisting with

SOLUTION: The laminated piezoelectric actuator element 1 comprises a piezoelectric ceramic 2 laminated and sintered by an internal electrode 3 composed of a silver palladium alloy material alloyed with 70 to 50 weight % of silver and 30 to 50 weight % of palladium doped with the ceramic material for piezoelectric effect in a range of 2 to 12 weight % of the total weight of the silver palladium alloy material and the ceramic material for piezoelectric effect, a close characteristic of shrinkage of the internal electrode 3 and the piezoelectric ceramic 2 makes it possible to avoid an interfacial separation, and an adequate resistance of the internal electrode 3 secures the responsiveness of the piezoelectric element 1.



LEGAL STATUS

[Date of request for examination]

21.02.2001

Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]